

# **In Situ Scanning Tunneling Microscopy of DNA-modified Gold Surfaces: Bias and Mismatch Dependence**

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Supporting Information:

**Figure S1** (next page): Series of images of a sample containing 75% PM DNA at different surface potentials. Each image has been recorded after 3 min in order to attain equilibrium conditions. Tunneling current: 50 pA, potentials vs Ag wire.

By following the surface changes from  $-400$  mV to  $+400$  mV and vice versa, one can notice the hysteresis and reversibility, where the underlying gold surface appears and disappears at different potentials.

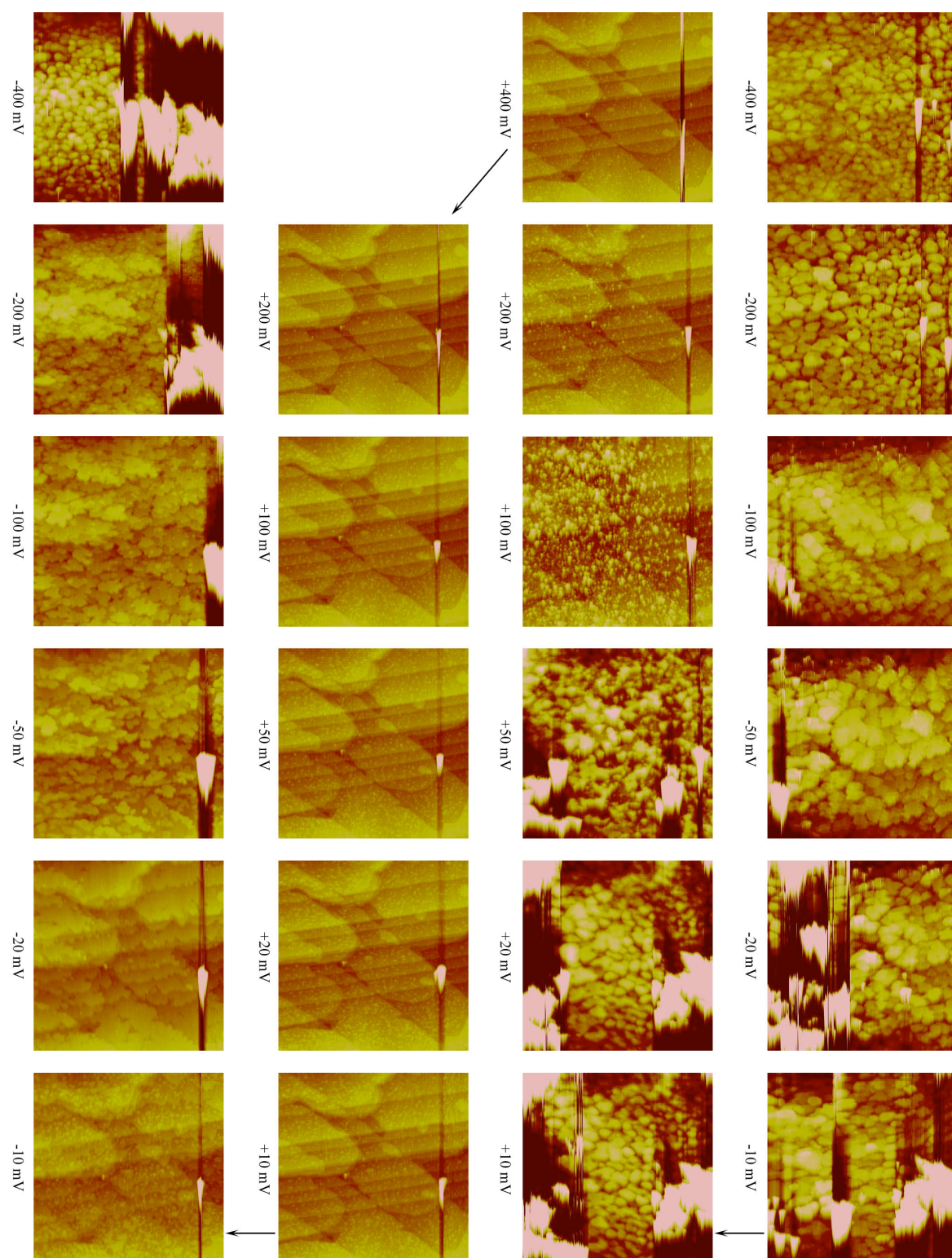


Figure S1